



## Science Toolkit: Grade 8 Objective 1.C.1.e

Student Handout: Science: Grade 8 Objective 1.C.1.e

Standard 1.0 Skills and Processes

Topic C. Communicating Scientific Information

Indicator 1. Develop explanations that explicitly link data from investigations conducted, selected readings and, when appropriate, contributions from historical discoveries.

Objective e. Explain how different models can be used to represent the same thing. What kind of a model to use and how complex it should be depend on its purpose. Choosing a useful model is one of the instances in which intuition and creativity come into play in science, mathematics, and engineering

Selected Response (SR) Item

Question

A group of students plans to build a model of a local pond habitat.

Which model best represents an environment similar to a pond?

- A. a sealed plastic bottle containing insects and algae from a pond
- B. a classroom aquarium containing plants and animals bought from a store
- C. a classroom aquarium containing fresh water, non-native plants, and non-native animals
- D. a small plastic outdoor pool containing fresh water, native plants, and native animals

Correct Answer

D. a small plastic outdoor pool containing fresh water, native plants, and native animals

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